

HIV Monoclonal Antibodies

Table 9: Rev

| MAb ID | Location | WEAU Sequence | Neutralizing | Immunogen | Species(Isotype) |
|----------|---|--------------------|-------------------------|-----------|-----------------------------|
| 186 4G9 | Rev(5-15) | Rev(5-15) | E. coli expressed r Rev | | murine() |
| | References: [Jensen et al.(1997)] | | | | |
| | NOTES: | | | | |
| | • 4G9: Mapped binding location by protein footprinting [Jensen et al.(1997)] | | | | |
| 187 10.1 | Rev(33-48) | | | | (unk) |
| | References: [Ovod et al.(1994), Ranki et al.(1994), Ranki et al.(1995)] | | | | |
| | NOTES: | | | | |
| | • 10.1: Binds to the RRE – polyclonal anti-Rev Ab detected Rev in astrocytes in 4/5 brain autopsy samples, but only one of these was positive using 10.1, suggesting most Rev was bound to RRE [Ranki et al.(1995)] | | | | |
| 188 3H6 | Rev(38-44) | Rev(38-43) RRNNRRR | rec Rev | | murine(IgG _{1κ}) |
| | References: [Orsini et al.(1995)] | | | | |
| | NOTES: | | | | |
| | • 3H6: There is another MAb with this ID that recognizes gp41 [Pinter et al.(1995)] | | | | |
| | • 3H6: Directed against nucleolar localization/RRE binding domain – antigenic domain tentative, MAb failed to bind a RRNNRRR Rev deletion mutant [Orsini et al.(1995)] | | | | |
| 189 9G2 | Rev(70-84) | PVPLQLPPLERLTLDD | E. coli expressed r Rev | | murine(IgG _{2aκ}) |
| | Donor: Anne Marie Szilvay | | | | |
| | References: [Kalland et al.(1994), Jensen et al.(1997)] | | | | |
| | NOTES: | | | | |
| | • 9G2: Worked in indirect immunofluorescence and also detected Rev in WB assays – used to detect localization of Rev throughout the cell [Kalland et al.(1994)] | | | | |
| | • 9G2: Peptide interaction mapped to aa 70-84, 75-88 – protein footprint to 65-88 [Jensen et al.(1997)]; | | | | |
| | • 9G2: Called 9G2G4D6E8: UK Medical Research Council AIDS reagent: ARP3058 | | | | |

| MAb ID | Location | WEAU | Sequence | Neutralizing | Immunogen | Species(Isotype) |
|----------|-------------|--|------------------|-------------------------|-----------------------------|------------------|
| 190 8E7 | Rev(70-84) | Rev(70-84) | PVPLQLPPLERLTLID | E. coli expressed r Rev | murine(IgG _{2ak}) | |
| | References: | [Kalland et al.(1994), Jensen et al.(1997)] | | | | |
| | NOTES: | | | | | |
| | | • 8E7: Worked in indirect immunofluorescence and also detected Rev in WB assays – used to detect localization of Rev throughout the cell [Kalland et al.(1994)] | | | | |
| | | • 8E7: Peptide interaction mapped to aa 70-84, 75-88 – protein footprint to 65-88 [Jensen et al.(1997)] | | | | |
| 191 3G4 | Rev(90-116) | Rev | ? | r Rev protein | murine(IgG _{1κ}) | |
| | References: | [Orsini et al.(1995)] | | | | |
| | NOTES: | | | | | |
| | | • 3G4: Binds to a region that is dispensable for Rev function [Orsini et al.(1995)] | | | | |
| 192 1G10 | Rev(95-105) | Rev(96-105) | GVGSPQILVE | E. coli expressed r Rev | murine(IgG _{2bk}) | |
| | Donor: | Anne Marie Szilvay | | | | |
| | References: | [Kalland et al.(1994)] | | | | |
| | NOTES: | | | | | |
| | | • 1G10: Worked in indirect immunofluorescence and also detected Rev in WB – used to detect localization of Rev throughout the cell [Kalland et al.(1994)] | | | | |
| | | • 1G10: Peptide interaction mapped to aa 91-105, 96-110 – protein footprint to aa 10-20, and 95-105 [Jensen et al.(1997)] | | | | |
| | | • 1G10: Called IG10F4: UK Medical Research Council AIDS reagent: ARP3060 | | | | |
| 193 1G7 | Rev(95-105) | Rev(96-105) | GVGSPQILVE | E. coli expressed r Rev | murine(IgG _{2bk}) | |
| | References: | [Kalland et al.(1994), Jensen et al.(1997)] | | | | |
| | NOTES: | | | | | |
| | | • 1G7: Worked in indirect immunofluorescence and also detected Rev in WB – used to detect localization of Rev throughout the cell [Kalland et al.(1994)] | | | | |
| | | • 1G7: Peptide interaction mapped to aa 91-105, 96-110 – protein footprint to aa 95-105 [Jensen et al.(1997)] | | | | |
| 194 2G2 | Rev(dis) | Rev(dis) | DISCONTINUOUS | r Rev protein | murine(IgG _{1κ}) | |
| | References: | [Orsini et al.(1995)] | | | | |
| | NOTES: | | | | | |
| | | • 2G2: Does not bind to any of a set of glutathione S-transferase (GST) Rev fusion proteins, or to Rev in a RIPA buffer, suggesting a conformational epitope [Orsini et al.(1995)] | | | | |